

Recovery Plan Action Status

Plan Name: San Bernardino Mountains Carbonate Plants Draft Recovery Plan

Plan Status: Draft

Plan Date: 30-Sep-97

Lead Agency: USFWS

Lead Office: Carlsbad Fish And Wildlife Office

(760)

431-9440)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	1	I.A.1	Design reserve areas	Partially Complete	FY 2000 - FY 2004		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: Planning	Internal Technical Assistance	The identification and design of reserves has been ongoing during the development of the Carbonate Plant Habitat Management Strategy. We completed section 7 consultation for this strategy in 2005 and provided a non-jeopardy biological opinion.
Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	1	I.A.2	Complete surveys	Partially Complete	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, U.S. Forest Service	Research: Population Surveys	Internal Technical Assistance	Periodic surveys have been occurring for these species.

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Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	2	II.A.3	Conserve additional habitat necessary to recover species	Not Started			U.S. Bureau of Land Management, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	

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Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	2	III.B	Evaluate management problems and indirect effects	Ongoing Not Current	FY 2000 - FY 2004		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Research	Internal Technical Assistance	Monitoring has occurred for carbonate plant species after the Willow Fire in 1999.
Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	2	III.C	Evaluate ecological questions	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	

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Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	2	IV.A.2	Implement monitoring of reserve lands	Not Started			U.S. Bureau of Land Management, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	2	IV.B.1	Implement management measures in vicinity of reserves	Not Started			U.S. Bureau of Land Management, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	

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Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	2	IV.B.2.b	Initiate fugitive light reduction measures	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	

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Cushenbury buckwheat (<i>Eriogonum ovalifolium</i> var. <i>vineum</i>), Parish's daisy (<i>Erigeron parishii</i>), Cushenbury milk-vetch (<i>Astragalus albens</i>), San Bernardino Mountains bladderpod (<i>Lesquerella kingii</i> ssp. <i>bernardina</i>), Cushenbury oxytheca (<i>Oxytheca parishii</i> var. <i>goodmaniana</i>)	2	IV.B.2.d	Investigate methods to expedite reclamation of quarries and other disturbed areas	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	

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Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	3	V.A	Evaluate completeness of reserve design	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	
Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	3	V.B	Evaluate management activities and enhancement efforts	Not Started			U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Work type not yet selected	Labor type not yet selected	

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Cushenbury buckwheat (Eriogonum ovalifolium var. vineum), Parish's daisy (Erigeron parishii), Cushenbury milk-vetch (Astragalus albens), San Bernardino Mountains bladderpod (Lesquerella kingii ssp. bernardina), Cushenbury oxytheca (Oxytheca parishii var. goodmaniana)	3	VI.A	Implement public education program	Ongoing Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Fish and Wildlife Service, California Department of Fish and Game, U.S. Forest Service	Management: General, Other: Law Enforcement	Internal Technical Assistance	In 1999, a full-time resource patrol officer was hired for the Big Bear area of the San Bernardino National Forest. The patrols control and decrease unauthorized activities (e.g. trash dumping, target shooting and unauthorized vehicle use) by creating an increase in public environmental awareness. Also in 1999 interpretive and instructional signs (e.g. no-parking, stay on trail/road, no motorized vehicles) were installed in carbonate plant habitat, in an effort to inform the public of sensitive areas.